

FIG.1

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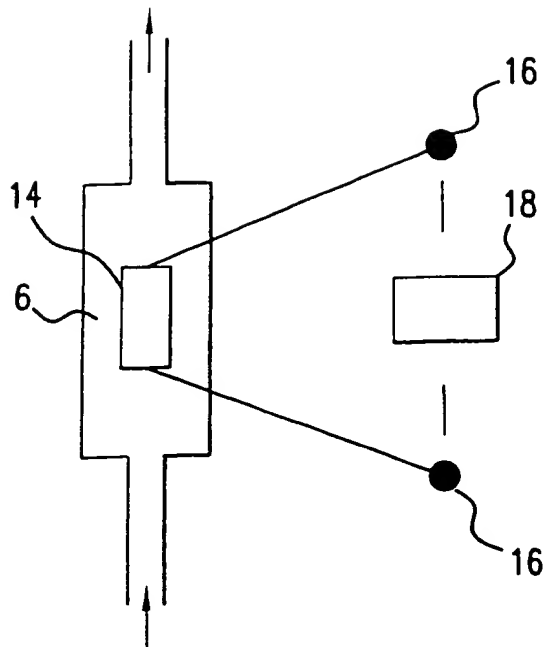


FIG.2

094182.08201

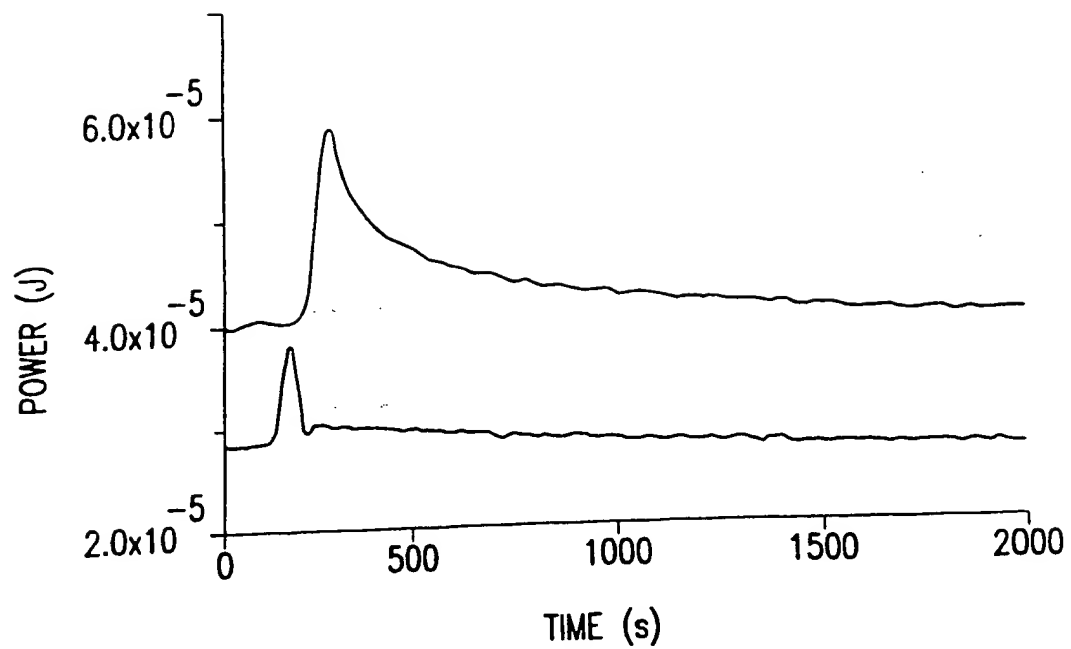


FIG.3

FOUO-2020-2020-2020

5' primer
3' template C G G T A A — 5'

dGTP
dCTP

4 2 15

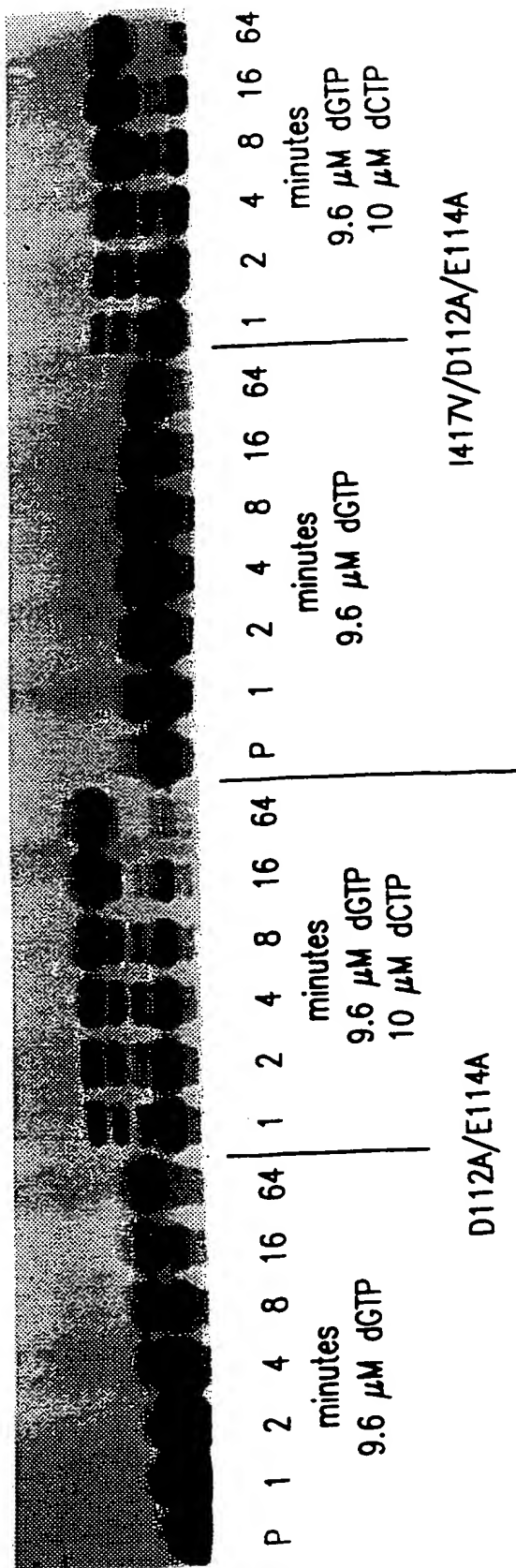
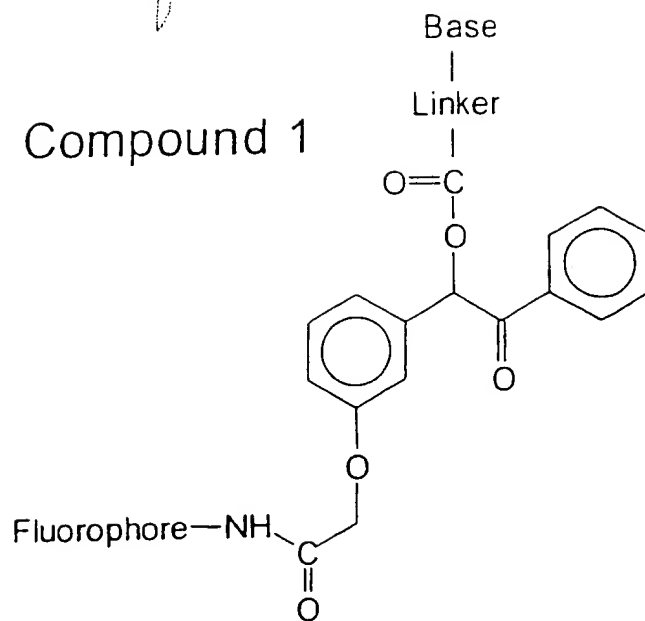


FIG.4

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Compound 1



Compound 2

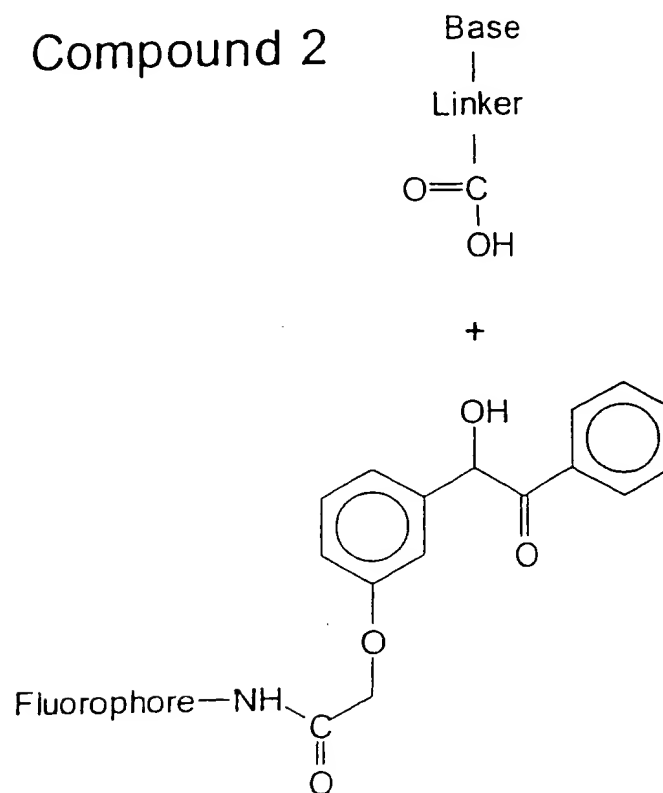
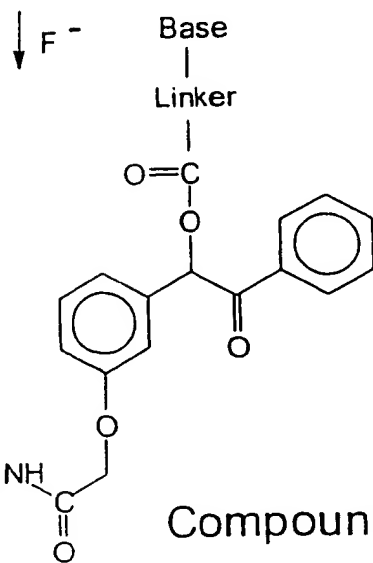
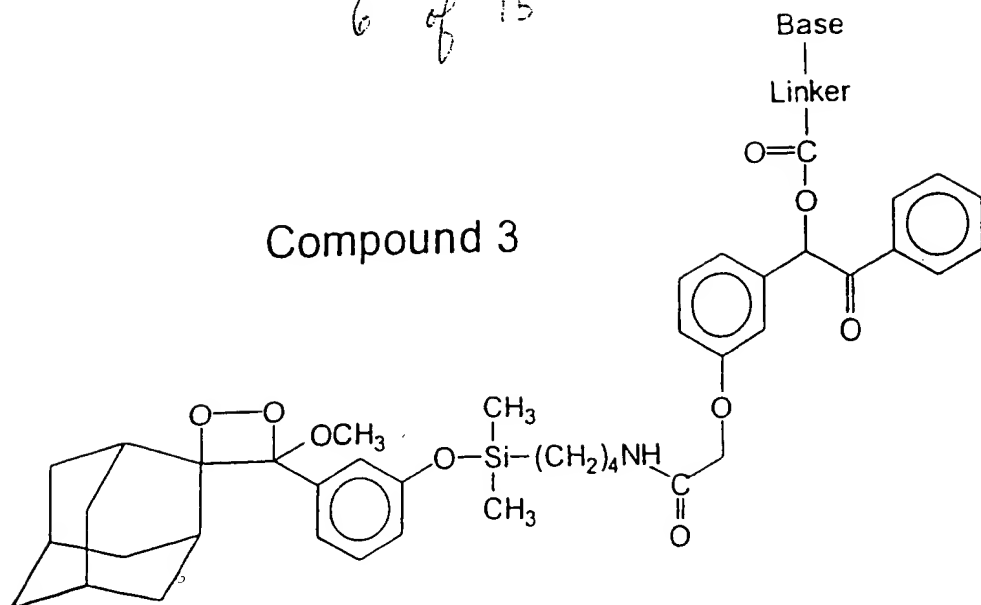


FIG.5

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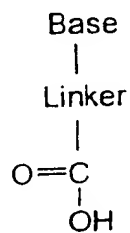
Compound 3



Compound 4

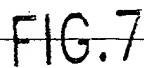
$h\nu$

$h\nu$



Compound 2

FIG.6



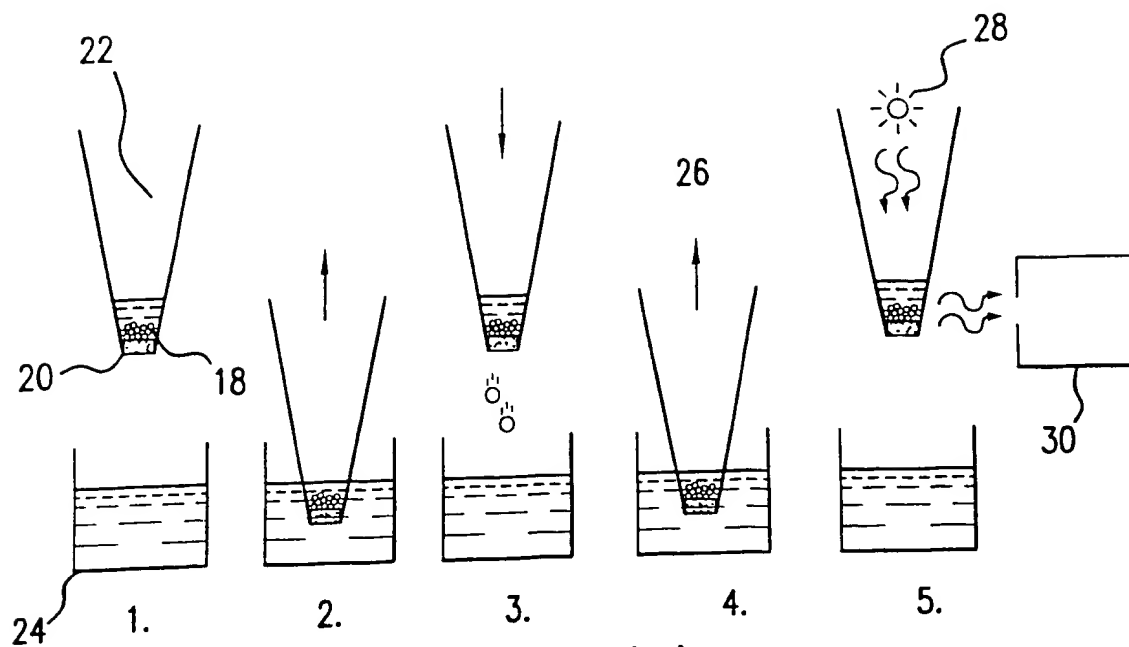


FIG. 8(a)

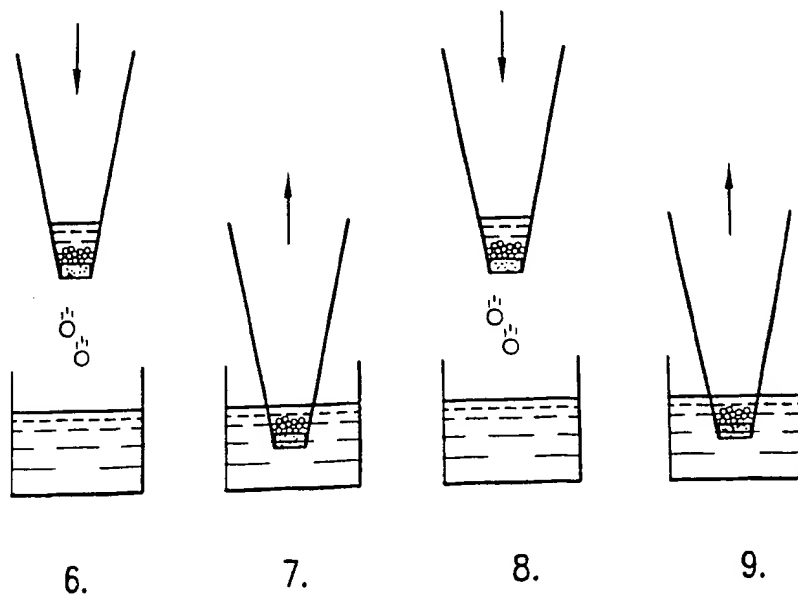


FIG. 8(b)

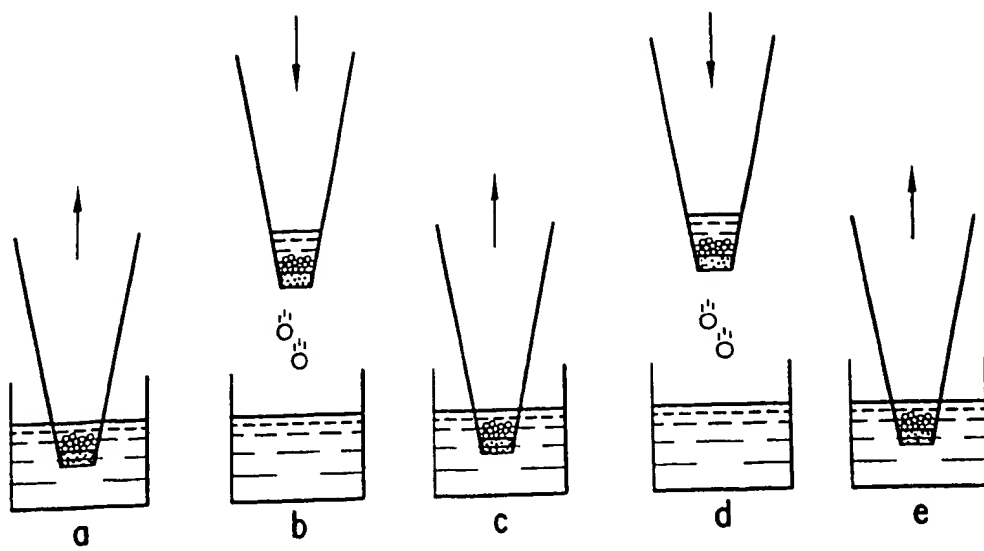


FIG.9

MECHANISM OF PHOTOBLEACHING OF FLUORESCCEIN BY DPI (DIPHENYLIDONIUM ION)

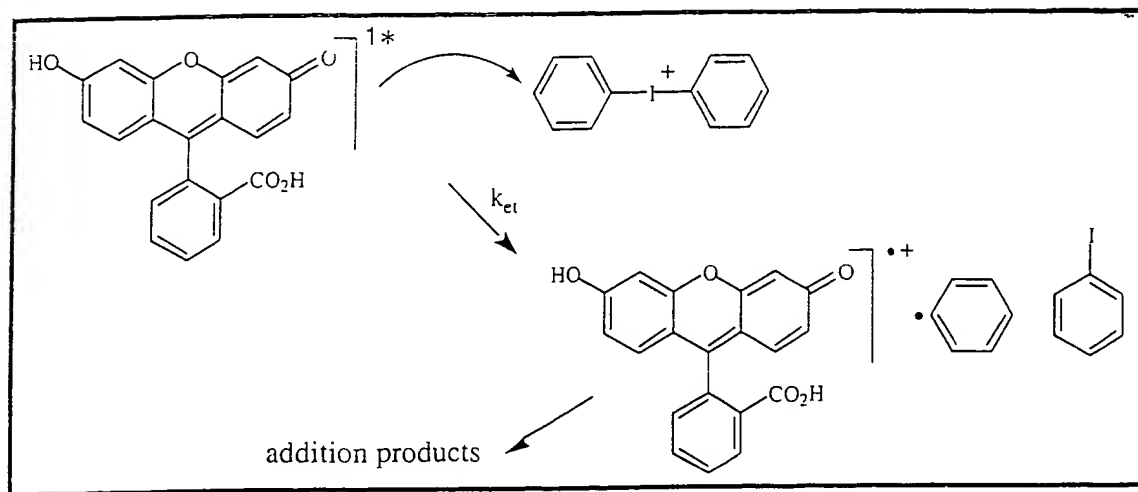
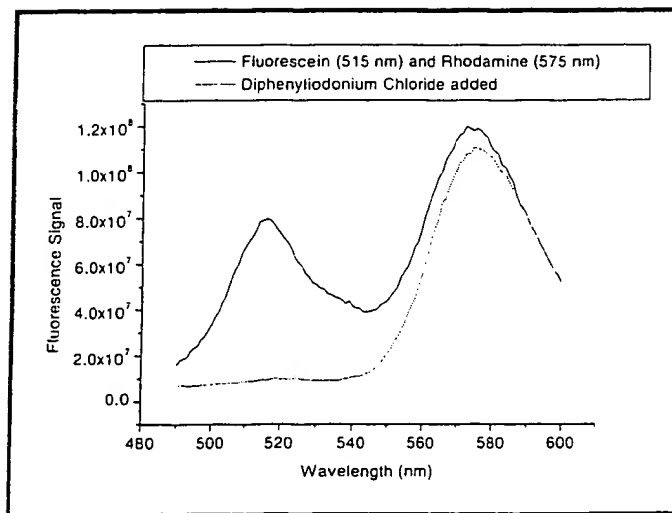


FIGURE 10

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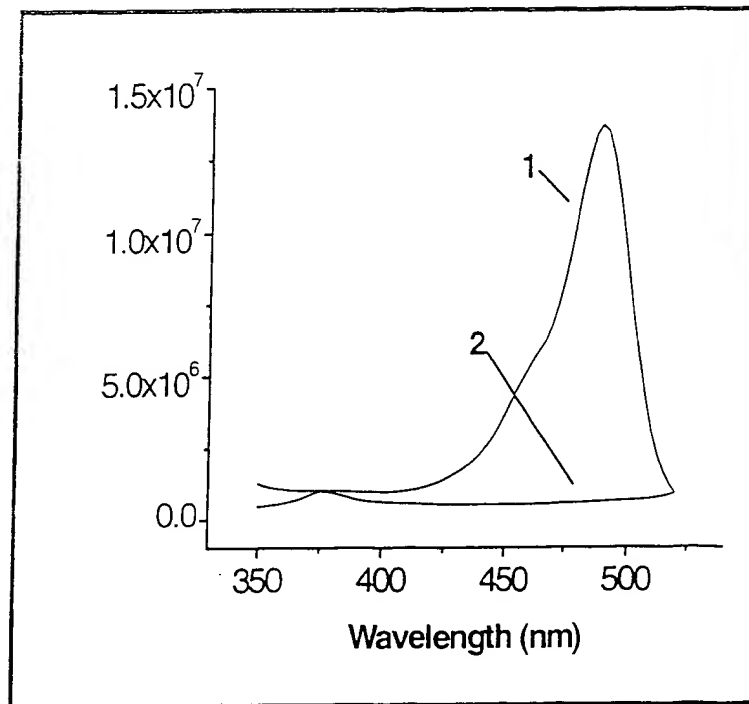


Fluorescence spectra of equimolar fluorescein and tetramethylrhodamine before and after addition of diphenyliodonium chloride

FIGURE 11

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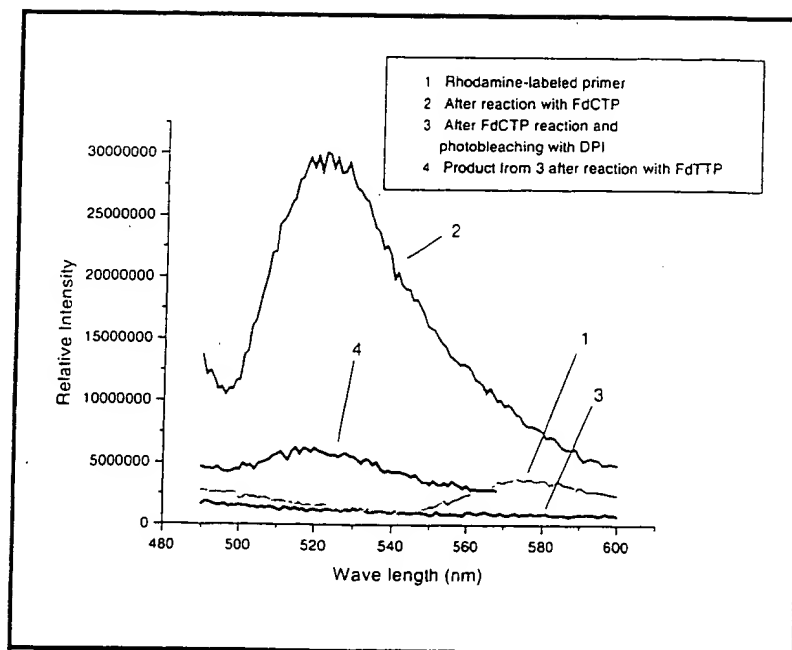


UV absorption spectra: (1) Fluorescein (2) Fluorescein + DPI after single flash from camera strobe

FIGURE 12

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13 8 15

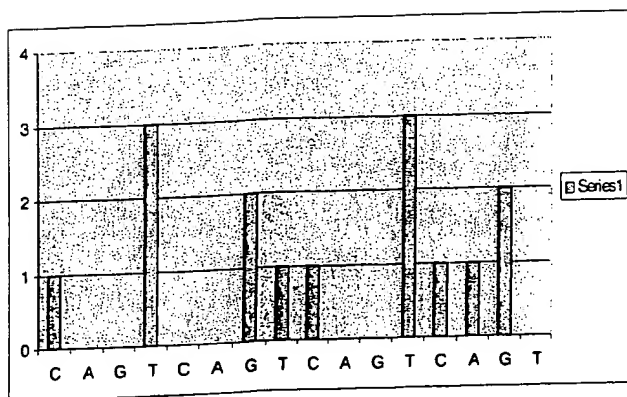


Results of single-nucleotide polymerase reaction with DPI photobleaching between incorporations

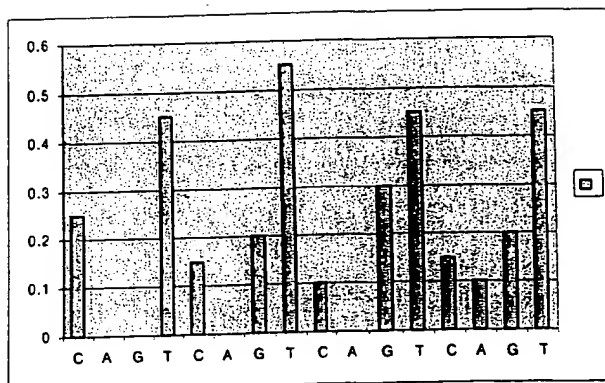
FIGURE 13

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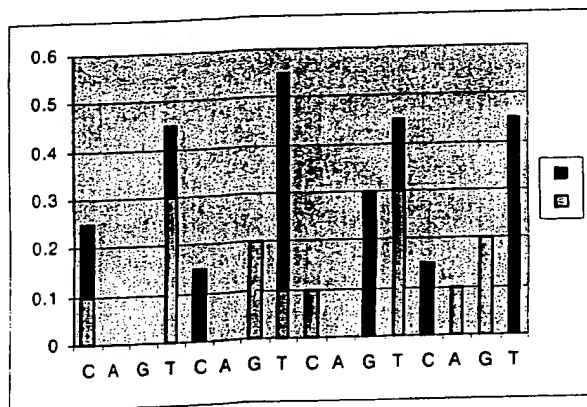
00941880 08801



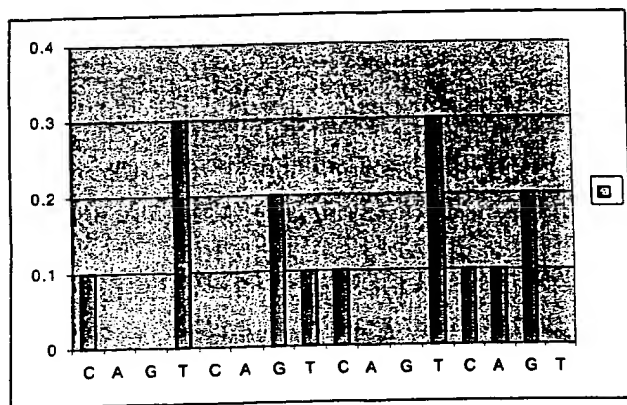
A



B



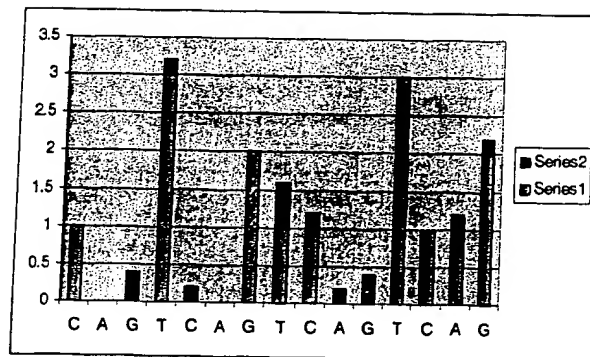
C



D

FIGURE 14

REPORT



Effect of a leading strand population on extension signals

FIGURE 15